|  |  |  |  |
| --- | --- | --- | --- |
| Mr. Michael T. Davis  Pre-Calculus | | 3.9 Change of Base Concept & Formula (1)  April 3, 2017 | |
| Name: | |

Change of Base Example: Evaluate 

Step 1: 

Step 2: 

Step 3: Solve 

Step 4: 

Step 5: 

Step 6: 

Step 7: From Steps 1 & 6:  and , therefore, 

Step 7: Now, use a calculator to divide  by . So, 

Step 8: Now, raise 2 to the power that you found in Step 7

Give all decimal approximations rounded to 4 decimal places of accuracy.

|  |  |
| --- | --- |
| 1. Evaluate | 1. Evaluate |
| 1. Evaluate | 1. Evaluate |
| 1. Evaluate | 1. Evaluate |
| 1. Evaluate | 1. Evaluate |
| 1. True or False: | 1. True or False: |
| 1. True or False: | 1. True or False: |